

Substitute for Form 1449/PTO

# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Complete if Known

Application Number	09/845,088
Filing Date	April 26, 2001
First Named Inventor:	J.J. Garcia-Luna Aceves
Art Unit	2154
Examiner Name	Siddiqi, Mohammad A.
Attorney Docket Number	5543P003

Sheet	1	of	4
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## U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)				
		US-	5,088,032	2/11/1992	Bosack	
		US-	5,115,495	5/19/1992	Tsuchiya et al.	
		US-	5,774,668	6/30/1998	Choquier et al.	
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		US-	6,205,481 B1	3/20/2001	Heddaya et al.	
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		US-	6,266,706 B1	7/24/2001	Brodnik et al.	
		US-	6,298,381 B1	10/2/2001	Shah et al.	
		US-	6,601,098 B1	7/29/2003	Case et al.	
		US-	6,820,132 B1	11/16/2004	Puente et al.	
		US-	US 2001/0056416 A1	12/27/2001	Garcia-Luna-Aceves	
		US-	US 2002/0004846 A1	1/10/2002	Garcia-Luna-Aceves et al.	
		US-	US 2002/0007413 A1	1/17/2002	Garcia-Luna-Aceves et al.	

## FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>5</sup>
		Country Code <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)				
			WO 98/57275		12/17/1998	Kavak		
			WO 99/40514		8/12/1999	Farber et al.		
			WO 01/18641 A1		3/15/2001	McCanne et al.		

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This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SENT FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

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Sheet	2	of	4	Attorney Docket Number	5543P003

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		Number-Kind Code <sup>2</sup> (If known)				
		US-	US 2002/0010737 A1	1/24/2002	Garcia-Luna-Aceves et al.	
		US-	US 2002-0016860 A1	2/7/2002	Garcia-Luna-Aceves et al.	
		US-	US 2003-0101278 A1	5/23/2003	Garcia-Luna-Aceves et al.	
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		US-	US 2003/0091029 A1	5/15/2003	Jo et al.	
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Sheet	3	of	4	Attorney Docket Number	5543P003
<b>NON PATENT LITERATURE DOCUMENTS</b>					
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published			T <sup>2</sup>
		Ari Luotonen, Henrik Frystyk Nielsen, and Tim Berbers-Lee. Cern httpd. <a href="http://www.w3.org/Daemon">http://www.w3.org/Daemon</a> , July 1996			
		A. Heddaya and S. Mirdad, "WebWave: Globally Load Balanced Fully Distributed Caching of Hot Published Documents," Proc. IEEE 17th International Conference on Distributed Computing Systems, Baltimore, Maryland, May 1997			
		S. Gadde, M. Rabinovich, and J. Chase, "Reduce, reuse, recycle: An approach to building large Internet caches," in Proc. 6th Workshop Hot Topics in Operating Systems (HotOS-VI), Cape Cod, MA, May 1997, pp. 93--98.			
		Alex Rousskov and Duane Wessels, "Cache digests," Proceedings 3rd International WWW Caching Workshop, Manchester, England (April 17, 1998)			
		C. Parsa and J.J. Garcia-Luna-Aceves, "Improving TCP Congestion Control over Internets with Heterogeneous Transmission Media," Proc. IEEE ICNP '99, Toronto, Canada (October 31 to November 3, 1999)			
		Craig Partridge, Trevor Mendez, and Walter Milliken, "Host Anycasting Service," Network Working Group, RFC 1546 (November 1993)			
		Hedrick, "Routing Information Protocol," XP002233127, Network Working Group, Request for Comments: 1058 (June 1998)			
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		J. Bound and P. Rogue, "IPv6 Anycasting Service: Minimum Requirements for end nodes," XP002192644, IETF Internet Draft, pgs. 4-6, <a href="http://www.watersprings.org/pub/id/draft-bound-anycast-00.txt">http://www.watersprings.org/pub/id/draft-bound-anycast-00.txt</a> (June 1996)			
		Lixia Zhang, Sally Floyd, Van Jacobsen, "Adaptive Web Caching," Proceedings of the 1997 NLNR Web Cache Workshop, pp. 1-9 (April 25, 1997)			
		Pablo Rodriguez, Ernst W. Biersack, and Keith W. Ross, "Improving the WWW: Caching or Multicast?," Institut EURECOM 2229, Route Computer Networks and ISDN Systems, pp. 1-17 (March 30, 1998)			

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**NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T <sup>2</sup>
		Masato Oguchi, et al., "A Proposal for a World-Wide Web Caching Proxy Mechanism," XP000754599, Global Information Infrastructure (GII) Evolution: Interworking Issues, Interworking '96, Third International Symposium on Interworking, Nara (Japan), October 1-3, 1996, pp. 531-540 (October 1, 1996)	
		Erol Basturk, et al., "Using Network Layer Anycast for Load Distribution in the Internet," IBM Research Report, Document No. RC20938, pgs. 1 and 1-20 (July 29, 1997)	
		Paul Mockapetris, "Domain System Changes and Observations," Network Working Group, RFC" 973 (January 1986)	
		Robert L. Carter, et al., "On the network impact of dynamic server selection," Computer Networks 31, pp. 2529-2558 (1999)	
		K. Obraczka, et al., "A Tool for Massively Replicating Internet Archives: Design, Implementation, and Experience," Proceeding of the 16th International Conference on Distributed Computing Systems, Hong Kong, (May 27-30, 1996)	
		Chu et al., "A Case for End System Multicast," Proceedings of ACM SIGMETRICS, Santa Clara, CA, pp. 1-12 (June 2000)	
		John Jannotti, et al., "Overcast: Reliable Multicasting with an Overlay Network," Proceedings of OSDI, San Diego, CA (October 2000)	
		J. Garcia-Luna-Aceves and M. Spohn, "Scalable Link-State Internet Routing," ICNP, Sixth International Conference on Network Protocols (ICNP'98), Austin, Texas, pp. 52-61 (October 14-16, 1998)	
		P. Mochapetris, "Domain Names - Concepts and Facilities," RFC 1034 (November 1987)	
		P. Mochapetris, "Domain Names - Implementation and Specification," RFC 1035 (November 1987)	
		Stephen Kent and Randall Atkinson, "Security Architecture for the Internet Protocol," RFC 2401 (November 1998)	

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**Summary of USPTO Kind Codes Used on Documents Published Beginning January 2, 2001**

<b>WIPO ST.16 Kind Codes</b>	<b>Kind of document</b>	<b>Comments</b>
A1	Patent Application Publication	Pre-grant publication available March 2001
A2	Patent Application Publication (Republication)	Pre-grant publication available March 2001
A9	Patent Application Publication (Corrected Publication)	Pre-grant publication available March 2001
B1	Patent	No previously published pre-grant publication
B2	Patent	Having a previously published pre-grant publication and available March 2001
C1, C2, C3...	Reexamination Certificate	Previously used codes B1 and B2 are now used for granted Patents
E	Reissue Patent	No change
H	Statutory Invention Registration (SIR)	No change
P1	Plant Patent Application Publication	Pre-grant publication available March 2001
P2	Plant Patent	No previously published pre-grant publication
P3	Plant Patent	Having a previously published pre-grant publication and available March 2001
P4	Plant Patent Application Publication (Republication)	Pre-grant publication available after March 2001
P9	Plant Patent Application Publication (Corrected Publication)	Pre-grant publication available March 2001
S	Design Patent	No change